

ICSMARTGRID 2025

13TH INTERNATIONAL CONFERENCE ON SMART GRID

May 27-29, 2025, Glasgow/United Kingdom

ICSMARTGRID 2025

13th International Conference on Smart Grid

May 27-29, 2025, Glasgow/United Kingdom - www.icsmartgrid.org

SPECIAL SESSION

Title : Micro and Smart Grids design, performance, and energy management

This special session deals on the design, operation, and optimization of micro and smart grids for efficient energy distribution, integration of renewable energy sources, and resilience in energy management. It aims to highlight cutting-edge technologies, performance metrics, and energy management strategies that empower decentralized energy systems, enhance grid flexibility, and ensure sustainability. Common challenges to address are the stability and reliability during disruptions or high demand peaks, the intermittency of renewable energy, the need of efficient real-time energy distribution and load balancing across networks, smart metering based on IOT and the infrastructures cybersecurity.

Topics of interest for this special session include, but are not limited to:

- Microgrid and Smart Grid Intelligent Control, Design, Planning, Management and Operation
- Design, of Micro and Smart Grids
- Smart Grid Infrastructure and Innovations
- Energy Storage Strategies for Improved Grid Stability and Efficiency.
- Performance Metrics and Optimization
- IOT and IA for Micro/Smart Grid, Smart metering and grid efficiency
- Demand Response/Smart Home
- Distributed power systems control and regulation
- Grid power quality, stability and reliability
- Resilience Strategies for Climate-Adaptive Grids and Sustainability
- Resource analyzing and Predictive tools dedicated to load demand and production forecasting (solar, wind)
- Future Trends and Challenges

Deadlines

Call For Papers Website URL	www.icsmartgrid.org
3 to 5 Pages Long Digest Submission Deadline	April 20, 2025
Notification of acceptance	May 10, 2025
Final submissions due	May 20, 2025
Conference	May 27-29, 2025

Chairs of the Special Session

Ass. Prof. Dr Mahamadou Abdou Tankari

University of Paris-Est Creteil (France)

mahamadou.abdou-tankari@u-pec.fr

Prof. Dr Pierre-Olivier Logerais

University of Paris-Est Creteil (France)

pierre-olivier.logerais@iutisf.org

Prof. Dr Gilles Lefebvre

University of Paris-Est Creteil (France)

lefebvre@u-pec.fr

Prof. Dr Toufik Rekioua

University of Bejaia (Algeria)

toufik.rekioua@univ-bejaia.dz

Prof. Dr Djamila Rekioua

University of Bejaia (Algeria)

djamila.ziani@univ-bejaia.dz